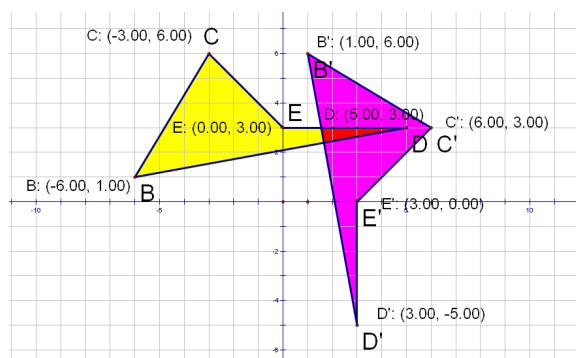
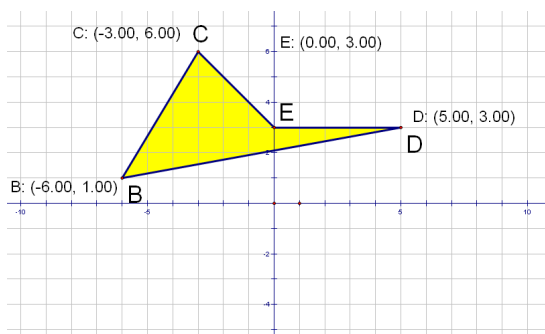
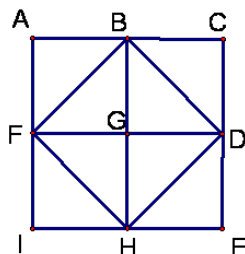
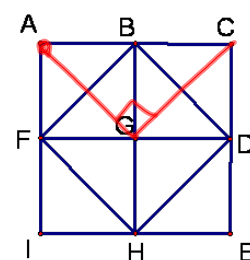


9.4 Perform Rotations

geogebra

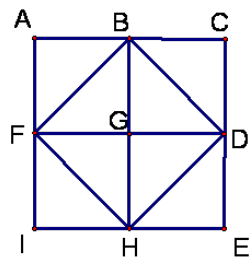
Coordinate Summary for Rotations about the Origin

1. For a rotation of 90° , $(a, b) \rightarrow (-b, a)$
2. For a rotation of 180° , $(a, b) \rightarrow (-a, -b)$
3. For a rotation of 270° , $(a, b) \rightarrow (b, -a)$

Graph BCED and rotate it 270° 1. 90° counterclockwise rotation of H about G.D2. 270° counterclockwise rotation of D about G.H3. 90° clockwise rotation of FA about G. BC4. 90° clockwise rotation of FH about G. BF5. 180° rotation of $\triangle BGD$ about G. AHGF

6. 180° rotation of $\triangle FIH$
about G. $\triangle DCB$

7. 90° counterclockwise
rotation of $\triangle F$ about I.
 $\triangle AI$



hw
p277 33-36
p602 13,14

Attachments

9_4notes_ex.gsp

9_7notes_ex.gsp